

## ECS Configuration Change Request

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1. Originator Cherry Kenney	2. Log Date: 13 JUL 01	3. CCR #: 01-0568	4. Rev: —	5. Tel: x4177	6. Rm #: 3204D	7. Dept. DEV/CO
8. CCR Title: PATCH 6A04_DMS.01A For All DAACs, PVC & VATC. Provides fixes for V0ToECSGateway problems, and other sev2 and sev3 NCRs.						
9. Originator Signature/Date <i>[Signature]</i> 7/13/01			10. Class II	11. Type: CCR	12. Need Date: 13JULY2001	
13. Office Manager Signature/Date <i>[Signature]</i> 07/16/01			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted:			17. Schedule Impact: n/a	18. CI(s) Affected:DMS		
19. Release Affected by this Change: 6A		20. Date due to Customer: 13JULY01		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 30745,24996,23818,30808,30568,30931,30937,30568,30984,31099,30298,30379,30627,31041, 30487.						
23. Problem: (use additional Sheets if necessary) 30745 EDG Quality Flag serach fails due to data problems 24996 Day/Night Flag does not work properly 23818 Logging of StartTemperature at server start up 30808 : EcAcRequest ESDT_Id contains esdt long 30568 Got problem when change empty field in valids file to "" 30931 GSFC/SMC: V0ToEcsGateway cores in OPS since 5B.07 install						
24. Proposed Solution: (use additional sheets if necessary) Patch 6A04_DMS.01A to provide the needed changes. To be loaded over top of 6A.04 Installations.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next s/w release						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in getting fixes to the field, DAACs must continue to work around problems						
27. Justification for Emergency (If Block 15 is "Emergency"): NCR fixes are needed at the DAAC for immediate testing OF 6A.04 baseline						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): <i>[Signature]</i> 7/16/01			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB			
33. M&O CCB Chair (Sign/Date): <i>[Signature]</i> 7/13/01			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB			

## ADDITIONAL SHEET

CCR #: 01-0568 Rev:      Originator: Cherry Kenney

Telephone: x4177      Office: 3204D

**Title of Change:** PATCH 6A04\_DMS.01A For All DAACs, PVC & VATC. Provides fixes for V0ToECSGateway problems, and other sev2 and sev3 NCRs.

CM:

PLEASE, build Sun TAR file(s) for the listed files from current 6A.04 baseline and provide to the sites/.

```
>
> .EcDmINTFCSVR.pkg
> .EcDmAsterToEcsGw.pkg
> .EcDmEcsToAsterGw.pkg
```

### DACC INSTALL INSTRUCTIONS

1. Get TAR File from SMC distribution;

List of packages:

```
> .EcDmINTFCSVR.pkg
> .EcDmAsterToEcsGw.pkg
> .EcDmEcsToAsterGw.pkg
```

2. UNTAR the file and copy to the designated staging area.

- a) Change to the platform staging directory:

```
cd /<distribution_directory>/<staging_directory>/SUN
```

- b) Execute the setup script (change the permissions on the script to 755 if necessary):

```
./<drop_name>_Setup.ksh
```

- c) At the prompt "Press ^C to Cancel, Any Other Key to Continue:", press any key except ^C.

- d) At the "Continue? (Y/N):" prompt, enter Y

- e) At the "Extract ECS tar packages? (Y/N):" prompt, enter Y

- f) Verify that the staging area location is correct on the line "Install ECS Staging area to:

```
<distribution_directory>/<staging_directory>/SUN"
```

- g) If correct, enter Y at the prompt "Enter ^C to Cancel, 'N' to change, 'Y' to continue:"

- h) Verify that the following messages are received :

```
Cleaning up ... done.
```

```
Delivery setup is complete, you may now install ECS from staging area.
```

- i) At the prompt "Update ECS Assist Common Files? (Root only)(Y/N)", enter Y

3. Modify the file permissions as specified below

```
cd/<distribution_directory>/<stage_directory>/SUN/CUSTOM/dbms
chmod 744 DMS/EcDmSybaseLogins.sql
```

4. Use the ECS Assistant SubSystem Manager to perform the installation of the appropriate DMS package(s) (as specified in 1 above)

- a. Select Mode to be installed
- b. Select DM SubSystem to be installed
- c. Select EcDm Component

 **ORIGINAL**

- d. Click StageInstall button and enter path to Staging Directory  
/distribution\_directory>/stage\_directory>/SU
- e. Click Install and Select STAGE File Location.
- f. Select DMS and the proper packages for your DAAC mode will be installed, (This is based on your sitemap) and click

OK

5. Apply the DMS Database Patch from the SubSystem Manager. Must have DBO privilege to perform this task.  
For this Patch will need to install DB Patch #84 ( we will verify this in step 6. below).
  - a. Click Database and Select Patch
  - b. Select .dbparms
  - c. Ensure Patch File name is: EcDmDdDbPatch6A.sql and enter the DMS Sql DB access variables as prompted
  - d. After patch has been applied review patch log in the logs directory for any errors.
6. Validate that the database has the SchemaVersion of 84. Must have DBO privilege to perform this task.
  - a. Use isql to access the DMS database
  - b. Execute the following command:  
Select \* from EcDbDatabaseVersions where EcDbCurrentVersionFlag = "Y"
  - c. Ensure the field EcDbSchemaVersionId = 84.
7. Ensure DMS Servers are re-started.
8. Check logs for any error messages.

\*\*\*\*\* END OF INSTALLATION INSTRUCTION \*\*\*\*\*

Item #23 (Summary of Problems continued)

30931: V0ToEcsGateway cores in OPS since 5B.07 install  
 30937 V0toECSGateway is unstable.  
 30984 Aster Gateway server run-time exception error...  
 31099 Add new PlatformLongName valid for Aqua platform.  
 30298 New valids needed for HIRDLS and MLS  
 30379 New valids needed for TES  
 30627 V0GW socket connections not closing  
 31041 V0ToEcsGateway on e0ins02 growing very fast.

Summary of all NCR fixes

ECSed30745 Added extra constraint for extended attribute DDICT searches to consider results for collection level attributes only.

ECSed24996 - Fix was to change the Gateway to use DAY\_NIGHT\_FLAG as AttributeName and DAY ( or NIGHT ) as the values while querying the DDICT.

The above fix assumes that DAY\_NIGHT info will be present in DDICT for collections. But after talking to gswope, it is decided that we just pass on the DayNight info to SDSRV without doing anything with it in V0GTWY. The reason is that DayNight info is granule-level attribute rather than a collection-level one. Changed code in 2 places: DmGwDirectoryQuery and DmGwInvRequests classes. In DmGwDirectoryQuery::MakeQuery, commented out the section where it attempts to get the collections based on the Day/Night Flag passed. In DmGwInvRequests::buildInvQueries, created a new structure for DayNight info, if present, and pass it to SDSRV ( in DmGwInvQuery initialization ) for each collection.

ECSed23818 - Added start temperature logging via Pf api.

ECSed30808 - Updated EcAcRequest::ESDT\_Id with the shortname of the ESDT rather than the long name.

ECSed30568 - In DmDdMtMainWindow::exportUpdateSavePbCB(), write the Valids Group to a Valids File, open the file then scan the whole file, then catch the occurrences of "NOT APPLICABLE", "NOT APPLIC" or "<unspecifi>", change all the fields listed here to "<unspecified>", then rewrite to a Valids file. Modify the file DmDdMtMainWindow.C to handle the problem changing empty field in valids file to

"&lt;unspecified&gt;", due to previous change - change empty field to "NOT APPLICABLE" got imported into the SMC5B and SMC6A mode, this time change "NOT APPLICABLE" to "&lt;unspecified&gt;" and associate memory problem

ECSed30931 - Removed non-threadsafe output call.

ECSed30937 - Removed potential method invocation on null pointer

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